Indian J. Pl. Genet. Resources 12(1): 119-122, 1999

PLANT GERMPLASM REGISTRATION NOTIFICATION[1]

The Germplasm Registration committee of ICAR in its 3rd meeting held on 10th December, 1998 at NBPGR approved the registration of the following 34 germplasm lines/genetic stocks out of 57 proposals received.

INGR 98010 is a genetic male sterile line of cotton (*Gossypium hirsutum*), developed by G.V. Umalkar at Ankur Seeds Pvt. Ltd. Nagpur by crossing CA/H-148 × CA/H-144. The line being GMS system exhibits 50% sterile population and is designated as **CA/MH-133**.

INGR 98011 is fibre less, soft, necrosis free anola (*Embelica officinalis*) designated as **NA7**. It is a seedling selection from open pollinated strain of Francis, developed by R.K. Pathak, I.S. Singh, R. Dwivedi, A.K. Srivastava and H.K. Singh at NDUAT Faizabad.

INGR 98012 is a high yielding, drought hardy germplasm of water melon (*Citrullus lanatus*) designated as **Mateera - AHW19**. This sweet, juicy watermelon with longer shelf life and good transportability is selection made from local genetic diversity by O.P. Pareek and D.K. Samadia at NRC for Arid Horticulture, Bikaner, Rajasthan.

INGR 98013 is a high yielding, drought hardy kachari (*Cucumis callosus*) designated as **Kachari AHK 119**. It is a pure line selection from local genetic diversity made by O.P. Pareek and D.K. Samadia at NRC for Arid Horticulture, Bikaner, Rajasthan.

INGR 98014 is a high yielding, drought hardy germplasm of kachari (*Cucummis callosus*) designated as **Kachari AHK 200**. It is a pure line selection from local genetic diversity made by O.P. Pareek and D.K. Samadia at NRC for Arid Horticulture, Bikaner, Rajasthan.

INGR 98015 is a high yielding, drought hardy germplasm of snap melon (*Cucumis melo var. momordica*) designated as **AHS10**. It is a pure line selection from local genetic diversity of arid region made by O.P. Pareek and D.K.Samadia at NRC for Arid Horticulture, Bikaner, Rajasthan.

INGR 98016 is a high yielding, drought hardy germplasm of snap melon (*Cucumis melo var. momordica*) designated as **AHS 82**. It is a pure line selection from genetic diversity of arid region made by O.P. Pareek and D.K. Samadia at NRC for Arid Horticulture, Bikaner, Rajasthan.

INGR 98017 is high yielding, long fruited genetic stock of cucumber (*Cucumis spp*) designated as **AHC 2**. It is a promising selection made from variable material by O.P. Pareek and D.K. Samadia at NRC for Arid Horticulture, Bikaner, Rajasthan.

INGR 98018 is a high yielding, unique, small fruited, drought hardy cucumber (*Cucumis* spp.) designated as **AHC 13**. It can bear fruits even under high temperature in arid region with limited irrigation. This genetic stock is developed by O.P. Pareek and D.K. Samadia at NRC for Arid Horticulture, Bikaner, Rajasthan.

INGR 98019 is a aromatic, thermo insensitive, photo period sensitive, extra long kerneled, stem rot resistant rice (*Oryza sativa* indica type) suitable for irrigated conditions. It is designated as **Taraori**

[1]Communicated by Dr. B.B. Singh, Member Secretary, ICAR Committee on Germplasm Registration

Basmati. It is a pure line selection from HBC 19 made by D.V.S. Panwar, Ajmer Singh, K.R. Gupta, K.R. Battan, Rishi Pal and Rattan Singh at CCSHAU Rice Research Station, Kaul, Haryana.

INGR 98020 is a cytoplasmic male sterile mustard (*Brassica juncea*) carrying cytoplasm of *Brassica oxyrrhina* derived from the synthetic alloploid *B. oxyrrhina* × *B. campestris*. This CMS line is developed at NRC on Plant Biotechnology, IARI New Delhi by Shyam Prakash and V.L. Chopra.

INGR 98021 is a Cytoplasmic male sterile mustard (*Brassica juncea*). This CMS line is developed through synthesis of somatic hybrid *Morcandia arvensis* + *B. juncea* and its repeated backcrossing to *B. juncea cv.* Pusa bold at NRC on Plant Biotechnology, IARI New Delhi by Shyam Prakash, P.B. Kirti, V.L. Chopra and S.R. Bhat.

INGR 98022 is a fertility restorer for CMS (*Morcandia) B. Juncea*. This fertility restorer CMS is developed by Shyam Prakash, P.B. Kirti, V.L. Chopra and S.R. Bhat at NRC on Plant Biotechnology IARI, New Delhi.

INGR 98023 is a cytoplasmic male sterile rape seed (*Brassica napus*). This CMS line is developed through synthesis of sexual alloploid *Brassic oxyrrhina* × *B. campestris* and its repeated back crossing to *B. napus* by Shyam Prakash, P.B. Kirti and V.L. Chopra at NRC on Plant Biotechnology IARI, New Delhi.

INGR 98024 is a cytoplasmic male sterile mustard (*Brassica juncea*) developed through protoplast fusion between chlorotic CMS *B. juncea* carrying *Raphanus*/ogu cytoplasm with floral abnormalities and green fertile *B. juncea* and then backcrossing to *B. juncea*. This CMS is developed by P.B. Kirti, S.S. Banga, Shyam Prakash, and V.L. Chopra at NRC on Plant Biotechnology, IARI, New Delhi.

INGR 98025 is a chlorosis corrected, green cytoplasmic male sterile mustard (*B. juncea*) carrying recombinant mitocondria of *Morcandia arvensis* and chloroplasts of *B. jucea*. This CMS line is developed through protoplast fusion and selection at NRC on Plant Biotechnology, IARI, New Delhi by P.B. Kirti, Shyam Prakash and V.L. Chopra.

INGR 98026 is a cytoplasmic male sterile rape seed (*B. compestris ssp. oleifera* var.brown sarson) carrying cytoplasm of *B. oxyrrhina* derived from synthetic alloploid *B. oxyrrhina* × *B. campestris*. This CMS line is developed by Shyam Prakash and V.L. Chopra at NRC on Plant Biotechnology IARI, New Delhi.

INGR 98027 is a male sterile parental line of safflower (*Carthamus tinctorius*) hybrid DSH129 designated as **MS9 (O)**. This line is developed by M. Ramachandran and K. Anjani at DOR Hyderabad.

INGR 98028 is a high protein and high lysine content wheat (*Triticum aestivum*) designated as **Pusa 5-3**. It is developed from cross HW171 × CI 11721 at Genetics Division, IARI, New Delhi by N.C. Singhal and H.K. Jain.

INGR 98029 is a low ODAP and high yielding khesari (*Lathyrus sativus*) designated as **Bio-158**. This somaclone is developed from leaf explants of cultivar P-24 by S.L. Mehta, P.K. Roy, G.K. Barat,I.M. Santha and K. Ali at Biochemistry Division, IARI, New Delhi.

INGR 98030 is a garlic (*Allium sativum*) with compact bulbs, silvery white skin, cream coloured flesh and big cloves designated as **Agrifound White**. This is a local selection from Biharsharif (Nalanda) made by U.B. Pandey, Lallan Singh and S.R. Bhonde at NHRDF, Nasik.

INGR 98031 is a garlic (*Allium sativum*) with compact bulbs, creamy white, with creamy flesh designated as **Yamuna Safed-3.** It is a local selection from Dindigul (T.N.) made by U.P. Pandey, Lallan Singh and R.P. Gupta at NHRDF, Nasik.

INGR 98032 is a fine grained, early maturing (115-120 days) dwarf rice (*Oryza sativa*) designated as *GAURAV Basmati A- 54.* It is a mutant of Basmati-370 developed by S.S. Malik at HAU, Kaul and further tested at NBPGR base center, Cuttack.

INGR 98033 is a castor (*Ricinus communis*) tolerant to *Fusarium oxysporum sp. ricini* wilt and moderately resistant to *Macrophomia phaseolina* root rot designated as **RG392.** It is a selection from Pothineni local - II from Tindivanam, Tamilnadu made by K. Anjani, M.A. Raoof and C. Hanumantha Rao at DOR, Hyderabad.

INGR98034 is a castor (*Ricinus communis*) tolerant to *Fusarium oxysporum* sp *ricini* wilt and resistant to *Macrophomia phaseolina* root rot designated as **RG47.** It is a selection from SKI-6 collection from Dantiwada, Gujarat made by K. Anjani, M.S. Raoof and C Hanumanta Rao at DOR, Hyderabad.

INGR 98035 is a pearl millet (*Pennisetum glaucum*) fertility restorter line and parent of very productive released hybrids HHB 45 and HHB 50, designated as **H90/4-5** resistant to drought and tolerant to high temperature stress. It is a selection from synthetic HS 1 developed by R.L. Kapoor, Sain Dass, I.S. Khairwal, H.P. Yadav, Prem Sagar, C.R. Bainiwal, D.C. Nijhawan and M.S. Narwal in collaboration with D.P. Thakur and M.S. Panwar. This line is developed at Bajra Section, Department of Plant Breeding, CCS, HAU, Hisar.

INGR 98036 is a pearl millet (*Pennisetum glaucum*) restorter line and parent of very popular released hybrid HHB 67, HHB60 and HHB68. designated as **H 77/883-2** It is excellent combiner for productivity and gives early/extra early hybrids. It a selection from Haryana land race population and resistant to temperature, drought and salt stress, developed by R.L. Kapoor, Sain Dass, I.S. Khairwal, H.P. Yadav, Prem Sagar, C.R. Bainiwal, D.C. Nijhawan and M.S. Narwal in collaboration D.P. Thakur and M.S. Panwar. This line is developed at Bajra Section, Department of Plant Breeding, CCS, HAU, Hisar.

INGR 98037 is a male sterile line of pearl millet (*Pennisetum glaucum*) designated as **HMS 1A** and **1B**. It is developed from DSA 134A × H 90/4-5. It is an A3 cytoplasm male sterile line and developed by Prem Sagar, D. C. Nijhawan, R.L. Kapoor, C.R. Bainiwal, I.S. Khairwal and H.P.Yadav in collaboration with D.P. Thakur at Bajra Section, Department of Plant Breeding, CCS, HAU, Hisar.

INGR 98038 is a male sterile line pearl millet (*Pennisetum glaucum*) designated as **HMS 2A** and **2B** developed by converting H77/833-2 into male sterile line developed by Prem Sagar, D.C Nijhawan, R.L. Kapoor,C.R. Bainiwal, I.S. Khairwal and H.P. Yadav in collaboration with D.P. Thakur at Bjara Section, Department of Plant Breeding, CCS, HAU, Hisar.

INGR 98039 is a male sterile line of pearl millet (*Pennisetum glaucum*) designated as **HMS 3A** and **3B** developed by DSA 134A × HC 715-1. It is high tillering line developed by Prem Sagar, D.C. Nijhawan, R.L. Kapoor, C.R. Bainiwal, I.S. Khairwal and H.P. Yadav in collaboration with D.P. Thakur at Bajra Section, Department of Plant Breeding, CCS, HAU, Hisar.

INGR 98040 is a male sterile, good tillering, early flowering pearl millet (*Pennisetum glaucum*) designated as HMS 4A and 4B. It is a result of a cross DSA 134 A × HC 715-2 made by Prem Sagar, D.C. Nijhawan, R.L. Kapoor, C.R.

Bainiwal, I.S. Khairwal and H.P. Yadav in collaboration with D.P. Thakur at Bajra Section, Department of Plant Breeding, CCS, HAU, Hisar.

INGR 98041 is a male sterile pearl millet (*Pennisetum glaucum*) designated as **HMS 7A** and **7B**. It is a result of cross 81A × 35 made by D.C. Nijhawan, R.L. Kapoor, H.P. Yadav, C.R. Bainiwal, Prem Sagar and M.S. Narwal in collaboration with M.S. Panwar at Bajra Section, Department of Plant Breeding, CCS, HAU, Hisar.

INGR 98042 is a male sterile pearl millet (*Pennisetum glaucum*) designated as **HMS 8A** and **8B**. This line has experimental potential and several hybrids have HMS 8A as female parent. It is a result of 81A × 52 -37-1 developed by D.C. Nijhawan, R.L. Kapoor, H.P. Yadav, C.R. Bainiwal, Prem Sagar and M.S. Narwal in collaboration with M.S. Panwar at Bajra Section, Department of Plant Breeding, CCS, HAU, Hisar.

INGR 98043 is a male sterile pearl millet (*Pennisetum glaucum*) designated as **HMS 9A** and **9B** this line is very promising female parent of hybrids is a result of 843A × 44-10 developed by D.C. Nijhawan, R.L. Kapoor, H.P. Yadav, C.R. Bainiwal, Prem Sagar and M.S. Narwal in collaboration with M.S. Panwar at Bajra Section, Department of Plant Breeding, CCS, HAU, Hisar.